

Notice of Allowability

Application No.

09/628,810

Examiner

Bob Chevalier

Applicant(s)

PARK, CHONG-MOK

Art Unit

2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed in 8/17/04.
2. ☒ The allowed claim(s) is/are 1-36.
3. ☒ The drawings filed on 28 July 2000 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Derick Iuto on 1/10/05.

The application has been amended as follows:

Claim 11, line 4, the expression "forming a first area" recited thereof is changed to -- forming a predefined first area --;

Claim 11, line 7, the expression "forming a second area" recited thereof is changed to -- forming a second predefined area different from the first area--;

Claim 18, line 3, the expression "has a first area" recited thereof is changed to -- has a first predefined area --;

Claim 18, line 4, the expression "a second area" recited thereof is changed to -- a second predefined area different from the first area --;

Claim 19, line 3, the expression "a first area" recited thereof is changed to -- a first predefined area --;

Claim 19, line 5, the expression "a second area" recited thereof is changed to -- a second predefined area different from the first area --;

Claim 25, line 3, the expression "a first area" recited thereof is changed to -- a first predefined area --;

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Claim 25, line 5, the expression "a second area" recited thereof is changed to -- a second predefined area different from the first area --;

Claim 36, line 3, the expression "a first area" recited thereof is changed to -- a first predefined area --;

Claim 36, line 5, the expression "a second area" recited thereof is changed to -- a second predefined area different from the first area --.

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11. (Amended) A method of arranging divided recording area segments of a recording medium in a broadcast receiving system having a hard disk drive, the method comprising:

forming a predefined first area on the recording medium, for recording a first broadcast signal which is currently being broadcast and reproducing a second broadcast signal previously recorded in real time; and

forming a second predefined area different from the first predefined area on the recording medium, for recording a third broadcast signal at a reserved time.

18. (Amended) A method of processing broadcast signals from/on a recording medium in a broadcast receiving system having a hard disk drive, wherein the recording medium has a first predefined area, for recording a first broadcast signal which is currently being broadcast and reproducing a second broadcast signal previously recorded in real time, and a second predefined area different from the first defined area, for recording a third broadcast signal at a reserved time, and a fourth broadcast signal previously recorded, the method comprising:

inputting the first and third broadcast signals simultaneously in a first period;

recording the first and third broadcast signals on the first and second areas, respectively, and reading the second and fourth broadcast signals from the first and second areas, respectively, in a second period next to the first period; and

reproducing the read second and fourth broadcast signals in a third time period next to the second period.

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19. (Amended) A recording medium in a broadcast receiving system having a hard disk drive, the recording medium comprising:

a first predefined area to record a first broadcast signal which is currently being broadcast and reproduce a second broadcast signal previously recorded in real time; and

a second predefined area different from the first predefined area, to record a third broadcast signal at a reserved time.

25. (Amended) A broadcast receiving system, comprising:

a hard disk drive having a hard drive; and

a controller which forms a first predefined area on the recording medium, for recording a first broadcast signal which is currently being broadcast and reproducing a second broadcast signal previously recorded in real time, and forms a second predefined area different from the first predefined area on the recording medium, for recording a third broadcast signal at a reserved time.

36. (Amended) A broadcast receiving system for processing broadcast signals

from/on a recording medium in a broadcast receiving system having a hard disk drive, wherein the recording medium has a first predefined area, for recording a first broadcast signal which is currently being broadcast and reproducing a second broadcast signal previously recorded in real time, and a predefined second area different from the first predefined area, for recording a third broadcast signal at a reserved time, and a fourth broadcast signal previously recorded, the broadcast receiving system comprising:

a random access memory to receive the first and third broadcast signals simultaneously in a first period,

a hard disk drive to record the first and third broadcast signals on the first and second areas, respectively, and reading the second and fourth broadcast signals from the first and second areas, respectively, in a second period next to the first period; and

a video recovery unit to reproduce the read second and fourth broadcast signals in a third time period next to the second period.

Conclusion

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bob Chevalier whose telephone number is 703-305-4780. The examiner can normally be reached on MM-F (9:00-6:30), second Monday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Faile can be reached on 703-305-4380. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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B. Chevalier
January 10, 2005.

A handwritten signature in black ink, appearing to read "Robert Chevalier". The signature is fluid and cursive, with the first name "Robert" and last name "Chevalier" clearly distinguishable.

ROBERT CHEVALIER
PRIMARY EXAMINER